PTO/SB/08A (08-00)
Approved for use through 10/31/2002 OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Date of Publication of Pages, Columns, Lines, Where

Under the Paper

Substitute for Form 1449/A/PTO

Sheet 1

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary

of 2

U.S. Patent Document

Coi	mplete if Known
Application Number	09/753,076
Filing Date	December 29, 2000
First Named Inventor	Vasily Topolkaraev
Group Art Unit	1711
Examiner Name	Not known
Attorney Docket Number	11302-1060 (44040-251537)

Examiner Initials	Cite No.	N	umber	Kind Code ¹ (if known)		Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Relevant Passages or Releval	nt
X	1		,952,433	A	D	avid M. Schertz et al.	9/14/1999		
150	2		,884,994	A	C	ritchfield et al.	05/20/1975		
18	3		420,211	A	H	ughes et al.	05/30/1995	X	
X	4	US 4	,891,404	A		arayan et al.	01/02/1990		
- 0		1	, = 2 - 3 / 2 ·		1				
	ļ	ļ							
	ļ <u>.</u>						· · · · · · · · · · · · · · · · · · ·	····	
	 						•		
	 -	 -			+				
					+	· · · · · · · · · · · · · · · · · · ·			
	<u> </u>	 			╁┈				
	 	 			+				
	 				+				
					†				
	 				1				
		'							
L	<u> </u>	<u> </u>							
			· · · · · · · · · · · · · · · · · · ·		<u> </u>	TON DATENT DOOLUGE	TO		
	,		Camina Data		UKŁ	IGN PATENT DOCUMEN		Dance Columns Ir	
Examiner Initials	Cite No.'	Office ³	Foreign Paten Number ⁴	Kind Coo (if know		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ°
O	5	wo	99/06456	/	Α	Kimberly-Clark Co.	02/11/1999		
Q	6	WO	97/47670	-	Α	Univ. Minn.	12/18/1997		
Ò	7	EP	0429307	1.	Α	Rohm & Haas	05/29/1991	X	
200					1	T =		/ /	_

U.S. PATENT DOCUMENTS

			1
Examiner Signature	Ti mulis	Date Considered	3-04

Union Carbide Corp.

09/08/1972

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language translation is attached.

FR

2123419

PTO/SB/08B (08-00)

Approved for use through 10/31/2002 OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for Form 1449/AP 18478-1

Sheet 2

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary

of 2

Cor	nplete if Known
Application Number	09/753,076
Filing Date	December 29, 2000
First Named Inventor	Vasily Topolkaraed Wang
Group Art Unit	1711
Examiner Name	Not known
Attorney Docket Number	11302-1060 (44040-251537)

Espired Ciby Indicate name of the author (in CAPITAL LETTERS), tills of the article (when appreciate), tills of the intent book negazine), journal sends symposium, catilog, etc. John page(s), volume-issue number(s), publisher, city and/or country when published Han, S.L. et al., "Graft Polymerization of Acrylamide onto Poly(Hydroxybutyrate-co-Hydro Xy-Valerate) Films," Polymer, Vol. 38 (17) (81/11997), pp. 4505-4511. 10 Jin, S. et al., "Synthesis and Characterization of Functionalized Poly(Epiton-Caprolactone) Copolymers by Free-Radical Polymerization," Macromolecules, Vol. 31 (4) (2/24/1998), pp. 1010-1015.			OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS]
9 Han, S.L. et al., "Graft Polymerization of Acrylamide onto Poly(Hydroxybutyrate-co-Hydro Xy-Valerate) Films," Polymer, Vol. 38 (17) (8/1/1997), pp. 4505-4511. 10 Jin, S. et al., "Synthesis and Characterization of Functionalized Poly(Epilon-Caprolactone) Copolymers by Free-Radical	Examiner Initials		nublisher, city and/or country where published	T²	
10 Jin, S. et al., "Synthesis and Characterization of Functionalized Poly(Epilon-Caprolactone) Copolymers by Free-Radical	N	9	Han, S.L. et al., "Graft Polymerization of Acrylamide onto Poly(Hydroxybutyrate-co-Hydro Xy-Valerate) Films," Polymer, Vol.		7
	1				
Polymerization," Macromolecules, Vol. 31 (4) (2/24/1998), pp. 1010-1015.		10	Jin, S. et al., "Synthesis and Characterization of Functionalized Poly(Epilon-Caprolactone) Copolymers by Free-Radical		1
	M		Polymerization," Macromolecules, Vol. 31 (4) (2/24/1998), pp. 1010-1015.		
	4				1
		1			
				<u> </u>	-
				-	1
				ļ	1
				 	$\frac{1}{2}$
				+	$\frac{1}{2}$
				+	1
					1
		_			
					1

Examiner Signature	Ti Parking	Date Considered	3-64
		Considered	<u> </u>

¹Unique citation designation number. ²Applicant is to place a check mark here if English language translation is attached.

6552124

Appro

use through 10/31/2002 OMB 0651-0031 be: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no

O.S. Patent and Trademan Co. O.S. DEFACTIVENT OF COMMERCE

Substitute for Form 1449/A/PTO

INFORMATION DISCLOSUR STATEMENT BY APPLIANT

(use as many sheets as necessary)

of Sheet

Old to a constant		
Complete if	Known	
	09/753,076	1
Application No.	December 29, 2000	
Filing Date		
	James H. Wang	
First Named Inventor	4744	-
Group Art Unit	1711	
Examiner Name		
	11302-1060	
Attorney Docket Number	11302-1000	
		~

		U.S. Patent Docum			Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or
aminer tials	Cite No.'		Kind Codes (if known)	Name of Patentee or Applicant of Cited Document	MM-DD-YYYY	Relevant Figures Appear
*		5525671	B1	Ebato et al	06/11/1996	
<u> </u>	 	4284671	B1	Cancio et al	08/18/1981	
-	 	5422387	B1	Toms et al	06/06/1995	
	 	5583187	B1	Sharak et al	12/10/1996	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	 	5342659	B1	Horowitz et al.	08/30/1994	
	┿	4933182	B1	Higashi et al.	05/02/1989	
	 	4826493	B1	Martini et al.	11/04/1986	
		4620999	B1	Holmes	04/16/1996	
		5508101	B1	Patnode et al.	10/22/1996	+
-+-	+-	5567510	B1	Patnode et al.	12/05/1995	+
_+-	+	5472518	B1	Patnode et al.	08/19/1997	+
	+-	5658977	B1	Yang et al.	12/23/1997	+
 -	+-	5700872	B1	Wang et al.	10/21/1980	+
	+=	4229334	B1	Klabacka et al.	09/29/1970	+
-	+	3531561	B1	Trebu	02/12/1974	+-+-
-	-+-	3792011	B1	Smith et al.	01/04/1983	+
 	+	4367070	B1	Hayashi et al.	12/01/1987	+
十	-	4710187	B1	Boland et al.	08/09/1988	
-	+	4762521	B1	Roessler Proxmire et al.	09/13/1988	
	+	4770656	B1		12/06/1988	
計		4789592	B1		01/17/1989	
T		4798603	B1		10/15/1991	
		5057368	B1	and all	12/03/1991	
承		5069970	B ¹	Larginariotori	Date	3-64

'Unique citation designation number. 'See attached Kinds of U.S. Patent Documents. 'Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 'Applicant is to place a check mark here if English language translation is attached.

MAR 1:9 2002

PTO/SB/08A (08-00) Luse through 10/31/2002 OMB 0651-0031 be: U.S. DEPARTMENT OF COMMERCE U.S. Falent and Trademan (U.S. DEFARTIMENT OF COMMERCE (U.S. DEFARTIMENT OF COMMERCE (U.S. DEFARTIMENT OF COMMERCE (U.S. DEFARTIMENT) OF COMERCE (U.S. DEFARTIMENT) OF COMMERCE (U.S. DEFA

Under the Paperwork Reduction Act of 1995, no MAR 1 4 2002 PM

001	nd to a collection of information and	Vocation .	١
_	Complete if	09/753,076	1
۲	Application No.	December 29, 2000	
t	Filing Date	James H. Wang	
t	First Named Inventor	1711	
t	Group Art Unit		
1	Examiner Name	11302-1060	
4	Attorney Docket Number	11302-1000	_
		-	•

			- 1		JULY 00	·	Application		Di	ecember	29, 2000	_	
ubstitute for	Form 1	1449/A/PT	ro (MAR	1 4 2007 0	i	Filing Date			ames H.		_	
•			ANI F	- \re∩	OSUK	E	First Named Inve	entor		711			
INF	OR	MAII	~ D\		PACAN essary)	T	Group Art Unit		·				2
ST	· A T E	$\mathbf{N} = \mathbf{N}$					Examiner Name		ļ	11302-10	60	7	3
	(u	se as mai	ny sneet	S as 110-			Attorney Docket	Number		11302-10		73	, '
Sheet	7	2	of	1_			J					4 3	30 1
2lleer	عا						CUMENTS						70
					U.S.	PATEN	T DOCUMENTS	Date of Pub	lication of	ages, Col Relevi	urnns, Lines, Who		7.00
		 -	.S. Pate	nt Docum	nent Kind Code ^s	 Name	of Patentee or	Cited Do	Connerr	Releva	nt Figures Appear		OK TO TO TO
Examiner	Cite No.'		Numbe		(if known)	Applicant	of Cited Document	04/28/		1			
Initials	140.				T B1	Kaneko 6	et al.	09/15		-	7		
V			510882		B1	Miyahara	a et al.						
	1		514771		B1	Cooke e			/1992				
	+	1	51621			Tumer		· 1	3/1993			_	
-	+	+	52021	78	B1	Davis e	at al		1/1993	<u></u>	_/		
-	+-	+	52410)66	B1	1		12/2	8/1993	<u> </u>	\		
	+-	4	5273	596	B1	Newkir		01/1	1/1994	<u> </u>	<u> </u>		
	4	4	5277	976	B1	Hogle		08/	09/1994	T	Δ		
			5336		B1	Strack		01/	17/1995	1	71		
		_		2400	B1	Pike e	et al.	1	16/1996	+	TT		
					B1	Ohara	a et al.	_ I	/14/1997	+	TT		
	1			8378	B1	Kond	o et al.			4	1		
一十	1			3778	B1	Ehre	t et al.	_ ' '_	/21/1998		+		l
 	+			33504		_	da et al.		6/10/1997				İ
 	-	-+-	56	37631	B1		uki et al.	1	1/25/1997				1
<u> </u>	-+	_	56	91424	B1	1		1	1/11/1997			4	7
ليدا	+	_	56	85757	B1	Kirs	sch et al.					•	
1	F 1	1											

			Date Considered	3 07
Examiner	- IN	M)		round the document, by the
Signature		// A Kinds of U.S. Patent Documen	ts. Enter Office that is	eign of the Emperor must

*Unique citation designation number. *See attached Kinds of U.S. Patent Documents. *Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent document, the indication of the year of the reign of the Emperor must workered code (verco plantation). For paperiese patent document, the indication of the year of the reign of the Emperor manner than the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document index MIDO Standard CT 46 if applied in the serial standard in the serial standard of the indication in the serial standard of the serial standard of the indication in the serial standard of the serial precede the senar number of the patent document. Third of document by the appropriate symbols as more or the total and under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language translation is attached.

aperwork Re			4			to reer	U.S. cond to a	Patent an collection	d Trad of info	mation	unless it co	ntains	d valid		\exists	i
			1005. NO	aons a	regnired					Jonipie	09	J753.0	76	2000		1
aperwork Re	duction	ACLO		O	and or	ì	Appl	cation No.	· 		D	ecemt	oer 29, a			1
		0	- (1 844	The S		Fills	g Date	سسسند		<u>_</u>	ames	H. Wan	9		1/
titute for For	m 1449	IMPIO	_ \	WAR 1	eu RÉ	<u> </u>	First	Marrica				1711				1
	Ma	ΔΤΙΟ	N DI	ECTO		7	Gr	oup Art Ur	nit		 					乳.
INFO	-cv	ENT	BY	APPLI	GAN	•	-EV	miner Na	me		 	11307	2-1060		<u> </u>	#
STA	I CIA	as many	sheets :	KAR 1 LANGE SEA	۱۷ 		- Att	omey Doc	ket Nu	mber						ی کیا
_	· 		of T	7			سلس									THE PERSON NAMED IN COLUMN TO PERSON NAMED I
Sheet	3							OCUM	ENT:	3	ublication of	Pages,	Column	ns, Line	s, When	PT
A					FOREIG	SN PA	TENI	OCUM	P	ate of Pi	ocument	Re	elevant l	passay igures /	Appear	الل
			- Dalai	- Dawmer					١.	MM-D	0-111.	1 Kei			7	\prod
- Inor To	ite -				Code ⁶	a notic	ant of UII	00 00-	=		24/1995	<u></u>	-		—	\prod
)ffice³	Numbe			Toyo Se	ikan Kais	ha Limited	<u></u>	03/	19/1992	<u></u>	<u></u>	-	+	
A	一十	EP /	0654				Pont De	Nemours a	anu	10	/14/1987	\prod_{a}			+	7
<u> </u>	-	WOT	92/0			Compo Rohto	Pharmac Pharmac	eutical Co.	, LIO.		5/24/1994	\mathbb{I}		-		7
1		前,		178			Chem C	o. Ltd.			6/01/1983	I				+
		سليسا		2127		11	ial Chem	cal Indust	ries 		7/31/1991	$\overline{1}$			<u> </u>	十
	<u> </u>	計	, 00	80274	<u> </u>	<u> </u>	Li Day	on Co. Lic	u.	سل	07/17/1991	\neg		<u> </u>	<u></u>	一十
	<u></u>	量	· 04	38598	<u> </u>	4	obi Koqy	Seiyaku	(0, 5,	0.	08/04/1994			1		
		量	0	436966 .	1	Teibe	oweb No	th Amenc	a 1110.		04/20/199					
	<u></u>	Two	9	4/17226	<u></u>		Auton	atik GMB	H		05/11/199					
	<u></u>	- Two	109	5/10645	<u></u>					al l	08/14/198		1		<u> </u>	
		Two		94/10257	<u> </u>	IN THE	teuhishi	rch and C Holding C Petroch KK	<u> </u>		07/11/19		1		<u> </u>	
		سلب		61-181859		IM	imberly-C	lark Co.			04/10/19		+-	$=$ \mathbb{I}	<u> </u>	_
H		JF	<u></u>	96/20738		K	(imberly	Clark Co.	-		02/04/1		+-	\overline{T}		
+		W		0705934	-	1	(impeny-	ichfield Co	 0.				+	_	$\overline{\Box}$	
一十	1	1	<u></u>	0210754	-		Atlantic F	i Petroche	emical	Co.	08/31/		+	一十	1	
 			EP]	004277			Mitsubis	11 F600011	-		11/10/		_	_		
			EP	/056915							07/26			_		T
<u> </u>	 	\Box	EP	6-2073	+			<u></u>			•	5/1994		_		T
<u></u>	<u> </u>	†	JP	16-2013			T	<u> </u>				6/1994				7
<u></u>	<u> </u>	+	JP	6-2073	20	-	T-	Δ_{-}	; 			6/199		<u></u>		<u> </u>
	<u> </u>	4	T JP T	6-207			4	$\overline{I_{i}}$			1 05/	23/199	5			
	<u> </u>		TIPT	6-248			+-7	1				/28/19				
]. [<u> </u>		T JP	-7-13		<u> </u>	- Tyuni	chika K.K.	et al.					_	V	
	1_		T JP	8-13	4723	1_										
آ. ا	سملح	<u> </u>	ــــــــــــــــــــــــــــــــــــــ	1_2												
	-										Dai Co Iments. 'En		ad	1	./	18%

*Unique citation designation number. *See attached Kinds of U.S. Patent Documents. *Enter Office that issued the document, by the indication of the year of the reign of the Emperor must two-letter code (WIPO Standard ST.3). *For Japanese patent document by the appropriate symbols as indicated on the document two-letter code (WIPO Standard ST.3). *Kind of document by the appropriate symbols as indicated in the document precede the serial number of the patent document. *Kind of document have been serial number of the patent document. *Applicant is to place a check mark here if English language translation is attached. *Applicant is to place a check mark here if English language translation is attached.

&							hrough 10/	PTO/SB/08A (0 31/2002 OMB 0651 TMENT OF COMM	-0031
•	•			D F	U.S. Patent a	Approrum Approxum App	use through two	31/2002 OMB 0031 TMENT OF COMM valid OMB control n	umbei
			os ne resol	ns are required to re-	spond to a collection	Complet	e if Known		
ne Paperwork	Reduc	ction Act of 19	-1-	A Sale lodge	Wastion No.		09/753,076	3	1
-			418	11 1 100 8		<u></u>	• • •		1
ubstitute for f	Form 1	449/A/PTO	1, "	<i>'</i> \$	Filing Date		James H.	Wang	4
		TION	niget	OSURE	First Named I		1711		1
INF	ORI	449/A/PTO MATION	N ADD	TILANT	Group Art U	nit			1.
ST					Examiner Na	me	11302-10	260	多十十
.	(นร	se as many sh	eets as nece	5501 97	Attorney Doc		11302-10		12
			7		Allome) Des		.1		1
Sheet	1	1 01	l f				TIMENTS		الما
				WOM D	ATENT LITERA	TURE DOC	UNIEN O	of the	r 1
		OTI	HER PRIO	R ART - NON P	LIETTERS), title o	the article (wh	en appropriate), title (s), volume-issue nu	mber(s).	10
			a name of the	8 and on the or a	annelum, catalog, e	LL. J. Callet			╡`
Examiner	Cite	item (bo	ok, magazin	publisher, c	ity and/or country w		en appropriate), title (s), volume-issue nu vric Acid) and Stereo	regular Poly	1
Initials	No.'	l		Infrared Analysis	on Blends of Poly	3-Hydrooxydur	Alcohol) on Crystalliz	cation or roly	1
		Author: lkejin	na, T., et Titl	e: (Vinyl Alcohol): I	nfluence of Tecticity	. O() O() (****)	yric Acid) and Stereo Alcohol) on Crystalliz Pages: 869-880	Date: 3/1/96	
	\					Vol: 197(3)	Pages. coo co		7
1 /	1	Dubl : Macro	molecular Ch	emistry and Physics					
12	<u></u>	1		tle: Biodegradable F	Plastics from Plants				1
	T	Author:Willi	ams et	ue. Dizzao			Pages: 38-44	Date: 9/1/96	ليسا
	1	al.				Vol:	Li-bi D	aner Mills Ltd.),	
1 /	1	Publ.: Chem	ntech		Para Ltd Databa	se WPI, JP 08	212995 (Misubishi F	Spo. ****	1
	<u> </u>	Author:	T	itle: Derwent Public	Sations cto., Domi	•	212995 (Misubishi P	Date: 8/20/96	1
T		Author.		6/20/30		Mal:	Pages:		_
\X	1						246411 (Sawashita	A), 10/2/89	١
10	1 .	Publ.:		D wort Publ	ications Ltd., Datab	ase WPI, JP 01	240411 (====	7	1
		Author:		Title: Derwent Publ				Date: 10/2/89	
		1				Vol:	Pages:		_
1 1		Publ.:				at and Test	Method for Flow Ra	ites of	- 1
1 _	VL.			Title: ASTM Desig	nation: D 1238-95,	stometer."	•		1
		Author:		Thermoplasi	nation: D 1238-95, tics by Extrusion Pla		Pages: 273-28	1 Date: 1/1/96	
1 /	/	1				Vol:			$\neg \tau$
1 7	۸ ۱	Publ.:							,
	يلسك		Good, Rober	rt Title:				a 4 4/4/79	1
	T	Author	J., et al.			Vol:II	Pages: 31-91	Date: 1/1/79	
1 1/				Colloid Science-Expe	erimental Methods		0.5.116-y\ "I	aminated Film	
- '	"	Publ.:	surface and C	JOHOIG GOS	ublications 1 td., Da	tabase WPI, El	P 640474, (H. Utz), " ctional Layer Betwee	n Two Films"	* \
ــــا		- I Autho	r:Database	Title: Derwent P	red By Vacuum De	position of Fun	2 640474, (H. Utz), " ctional Layer Between Pages:	Date:	.
	7	Addino	WPI	Mannaon		Vol:	Pages:		
1 /	V I	l I					D.C. 212511 A. (Uniti	ka Ltd.),	
١ ١	V								
`	D	Publ.:			Publications Ltd., D	atabase WPI, J	tary Napkin"	√,	
	0	li	or:Database WPI	Title: Derwent	Publications Ltd., D adable Staple Fiber	atabase WPI, J Useful for Sani	P 6-212511 A, (Uniti tary Napkin" Pages:	√ , Date:	

		Date Considered	3-64
Examiner Signature	weeked Kinds of U.S. Patent Documents	. Enter Office that is	sued the document, by the eign of the Emperor must

Publ.:

*Unique citation designation number. *See attached Kinds of U.S. Patent Documents. *Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent document, the indication of the year of the reign of the Emperor must two-letter code (WIPO Standard ST.3). *For Japanese patent document by the appropriate symbols as Indicated on the document precede the serial number of the patent document. *Kind of document by the appropriate symbols as Indicated on its attached. precede the serial number of the patent document. *Applicant is to place a check mark here if English language translation is attached. under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language translation is attached.

use through 10/31/2002 OMB 0651-0031 Approx

ce: U.S. DEPARTMENT OF COMMERCE sbine are required to respond to a collection of information unless it contains a valid OMB control number Complete if Known Under the Paperwork Reduction Act of 1995, no 09/753,076 MAR 1 4 2002 00 Application No. December 29, 2000 Substitute for Form 1449/A/PTO Filing Date James H. Wang First Named Inventor INFORMATION DIECLOSUS 1711 STATEMENT BY APPENDE Group Art Unit Examiner Name (use as many sheets as necessary) 11302-1060 Attorney Docket Number Sheet OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), To publisher, city and/or country where published Cite Examiner Derwent Publications Ltd., Database WPI, JP 9-041220 A, (Unitika Ltd.), Initials ۶ "Biodegradable Polyester Fiber" Author:Database Date: Pages: Vol: Author:Drelzenshtok Title: Chemical Abstracts 99(8)54963d, "Cellulose Decomposition in the Sintering of Fibers Publ.: from Poly(tetrafluoroethylen) Dispersions* Date: 1/1/83 X Pages: 33-34 G.S. et al. Vol:3 Title: Chemical Abstracts 109(4)24162z, "Composite Fibers From Polyacrylonitrile-Aromatic Publ.:Khim. Volokna Author:Fedorova, Polyamic Acid Blends Date: 1/1/98 Pages: 11-12 R.G. et al. Vol:2 Title: Chemical Abstracts 188(16)106639x, "Structural Thermal Stabilization of Fibers Based Publ.: Khim. Volokna on Aromatic and Heterocyclic Polymer Blends Author:Fedorova, Date: 1/1/77 Pages: 36-45 R.G. et al. Vol:4 Publ.: Prepr. - Mezhdunar, Simp.Khim. Voloknam 2nd Title: Chemical Abstracts 82(14)87465v, "Bicomponent Fiber Structures on Polypropylene Author: Geleji, Pages: 713-716 Date: 1/1/73 Basis* Frigyes et al. Vol:42 Publ.: J. Polym. Sci., Polym. Symp. Author:Gusev, V.K. Title: Chemical Abstracts 96(10)70305j, "Two-Component Acetate Threads" y Date: 1/1/81 Pages: 31-32 et al. Vol:6 Author:Sagatova, M. Title: Chemical Abstracts 102(10)80131f, "Structural and Mechanical Properties of Fibers Produced From Mixtures of Polyacrylonitrile and Chlorinated Poly(vinyl chloride) Date: 1/1/84 Sh. et al. Pages: Author: Slizite, G. et Title: Chemical Abstracts 105(26)228372v, "Study of Photochemical Degradation of Articles Publ.: Produced from Complex Triacetate-Polyamide Fiber Date: 1/1/86 Pages: 98-102 Vol:27 Publ.: Nauch, Tr. Vuzov LitSSR, Khimiya i Khim, Teknol.

	1	Date Considered	3-07
Examiner Signature	A Company of the Comp	Patent Documents. *Enter Office that is	sued the document, by the

*Unique citation designation number. *See attached Kinds of U.S. Patent Documents. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent document, the indication of the year of the reign of the document two-letter code (WIPO Standard ST.3). *For Japanese patent document by the appropriate symbols as indicated on the document. recede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 If possible. *Applicant is to place a check mark here if English language translation is attached.

use through 10/31/2002 OMB 0651-0031 Appro

a: U.S. DEPARTMENT OF COMMERCE U.S. Patent and Tradema

ns are required to respond to a collection of information enless it contains a valid OMB control number Under the Paperwork Reduction Act of 1995, Complete if Known 09/753,076 Application No. Substitute for Form 1449/A/PTO December 29, 2000 Filing Date James H. Wang First Named Inventor INFORMATION DESC 1711 STATEMENT BY AFFE Group Art Unit (use as many sheets as necessary) **Examiner Name** 11302-1060 Attorney Docket Number of Sheet OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the T item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published Cite Examiner No. Title: Chemical Abstracts 106(12)86124k, "Use of a Reactively Dyed Low-Molecular-Weight Initials Polycaproamide for Production of Colored Polypropylene Fibers* Author:U, Ju Jui et Date: 1/1/86 Pages: 22-24 Vol:6 Publ.: Khim. Volokna Author:Zakirov, I.Z. Title: Chemical Abstracts 96(4)21192M, "Effect of Small Amounts of Polymeric Additives on Structural-Mechanical and Thermal Properties of Synthetic Fibers Spun By a Wet Date: 1/1/81 Pages: 105-110 Publ.: 3-i Mezhdunar. Simpoz. po Khim. Voloknam, Kalinin, 1981, Vol:5 Method* Title: Chemical Abstracts 102(22)186548n, "Temperature Transitions in Kalinin ኢ Author:Zakirov, I.Z. Polyacrylonitrile-Fibroin Mixtures" Date: 1/1/85 Pages: 116-120 Vol:27 Publ.: Vysokomol. Soedin., Ser. B Title: Chemical Abstracts 105(12)99049u, "Applications of Controlled Degradation In Author:Zhao Delu, Polypropylene Tape Yarns* Xue Du et al. Date: 1/1/86 Pages: 5-10 Vol:15 Publ.: Suliao Title: Chemical Abstracts 114(22)209209s: abstract of laid open Japanese patent application Author: JP 3040865 Date: Pages: Vol: Title: Chemical Abstracts 119(12)119421d: abstract of laid open Japanese patent application Publ.: Author: JP 5093316 Date: Pages: Vol: Publ.: Title: Chemical Abstracts 119(12)119422e: abstract of laid open Japanese patent application Author: X JP 5093318 Date: Pages: Vol: Publ.: Title: Chemical Abstracts 119(24)252062d: abstract of laid open Japanese patent application Author: JP 5163616 Date: Pages: Vol: Publ.: Date 3-0 Y Considered Examiner Signature

'Unique citation designation number. 'See attached Kinds of U.S. Patent Documents. 'Enter Office that issued the document, by the two-letter code (WiPO Standard ST.3). *For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 'Applicant is to place a check mark here if English language translation is attached.

use through 10/31/2002 OMB 0651-0031 e: U.S. DEPARTMENT OF COMMERCE Approy

U.S. Patent and Trademan Ce: U.S. DEPARTMENT OF COMMERCE considered to respond to a collection of information unless it contains a valid OMB control number Under the Paperwork Reduction Act of 1995, no

(O) (O)					Complete if Known						
INFORMATION DISCLOSURE STATEMENT BY APPLICATION (use as many sheets as necessary)			VETO		Application No.			09/753,076			
			Filing Dat	е		December 29, 2000					
INFORMATION DISCLOSURE				First Name	d Inventor	Jame	James H. Wang				
S	ΓΑΤ	EME	NT BY	APP	STREET STREET	Group Art	Unit	1711			
	((use as ma	any sheets	as neces	sary)	Examiner	Name				
Sheet		7	of	7		Attorney D	ocket Number	1130	2-1060		_
	!		<u> </u>	<u> </u>							
			OTHER	PRIOR	ART - NON PAT	ENT LITER	ATURE DO	CUMENTS			
					The CADITAL I	ETTERS) title	of the article (when appropriate), t	itle of the	. 1	T*
Examiner	Cite	ite	m (book, n	nagazine,	lournal serial symbo	sium, catalog,	etc.), date, pa	ge(5), voiume-issuo	number(s	·).	l
Initials	No.¹		•		publisher, city a	and/or country	Milete boolisis				<u></u>
		Author:		Title	Chemical Abstracts 1	20(8)79336s: a	abstract of laid	open Japanese pa	tent appli	cation	1
		Author		11110.	JP 5093317					_	
V		1					Vol:	Pages:	Date:	\prec	1
1	ļ	Publ.:					VOI.	r agos.			ᆜ
Author: Title: Chemical Abstracts 122(2)12043s: abstract of laid open Japanese patent application											
		Author:		IIII.	JP 6212548						1 1
	1	1					Vol:	Pages:	Date:	Ų	1 1
		Publ.:					VOI:	rayos.			نب
Author: Title: Chemical Abstracts 122(2)12091f: abstract of laid open Japanese patent application											
4		Author:	i	i iue.	JP 6248515			•			1 1
M	1	1					Vol:	Pages:	Date:	<	1 1
	ì	Publ.:					VOI.	ragos.			لسل
		14.0	14 M. 1441 4 -	- Title:	Whittington's Diction	ary of Plastics					Ţ]
			:Whittingto Lloyd R.	m, me.	William Group	,		,		a	1 1
	Ί						Vol:	Pages: 258	Date:	1/1/1968	1
		Publ.:									
1	T^-	Author	:Sperling,	L.H. Title:	Graft Copolymers					•	
1 1/1	1									(-
`	7	Publ 1	ntroduction	to Physic	al Polymer Science,	Chapter 2,	Vol:	Pages: 44-47	Date:	1/1/1986	
·	.1		bertierr 2-7								

	1			
Examiner Signature	1	h-	Date Considered	3-84

'Unique citation designation number. *See attached Kinds of U.S. Patent Documents. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language translation is attached.